

B27B

SAWS; COMPONENTS OR ACCESSORIES THEREFOR (saws specially adapted for pruning or debranching A01G3/08; sawing apparatus specially adapted for felling trees A01G23/091; features not restricted to a particular type of wood saw B23D, e.g. attaching saw blades B23D51/00; machine tool frames, beds, pillars or analogous members, in general B23Q1/01)

Definition statement

This subclass/group covers:

Saws for sawing wood:

- Wood saws characterised by the active element:
 - reciprocating: [B27B 3/00](#), [B27B 11/00](#), [B27B 19/00](#)
 - circular: [B27B 5/00](#), [B27B 7/00](#), [B27B 9/00](#)
 - band or strap: [B27B 13/00](#), [B27B 15/00](#)
 - chain: [B27B 17/00](#)
 - other kinds: [B27B 23/00](#)
- Portable or hand saws for wood: [B27B 9/00](#), [B27B 21/00](#)
- Active elements of wood saws: [B27B 23/00](#), [B27B 33/00](#)
- Accessories for wood saws: [B27B 25/00](#), [B27B 31/00](#)
- Sawing trunks or logs, saws specially adapted therefor: [B27B 1/00](#), [B27B 3/00](#), [B27B 7/00](#), [B27B 15/00](#)

Relationship between large subject matter areas

Other large areas covering sawing are [B23D 45/00-B23D 65/00](#) (sawing in general, sawing metal) and [B28D 1/02](#) (sawing stone). [B23D](#) is the main entry for sawing. Precedence is given to [B23D](#). Features not restricted to a particular type of saw are classified in [B23D](#). However, such features are classified in [B27B](#) if a more specific entry exists in [B27B](#), for example:

- [B27B 5/30](#): mounting/securing devices for circular saw blades or spindles
- [B27B 5/38](#): braking devices for the circular saw blade or the spindle
- [B27B 17/00](#): details of chain saws, equipment for chain saws
- [B27B 27/00](#): guide fences or stops

- [B27B 33/14](#): saw chains

References relevant to classification in this subclass

This subclass/group does not cover:

Sawing in general (unless a more specific entry exists in B27B)	B23D 45/00 - B23D 65/04
Constructional features of particular parts per se of sawing machines or sawing devices	B23Q
Details or components, e.g. casings, bodies, of portable power-driven saws not particularly related to the operation performed	B25F 5/00
Safety guards or devices specially designed for wood saws	B27G 19/00
Sawing stone or stone-like materials	B28D 1/02
Sawing gems, jewels, crystals with discs or wheels	B28D 5/022
Sawing gems, jewels, crystals with blades or wires	B28D 5/042 , B28D 5/045
Accessories specially adapted for use with machines for sawing of gems, jewels, crystals	B28D 5/0058
Accessories specially adapted for use with machines or devices for sawing stone	B28D 7/00

Informative references

Attention is drawn to the following places, which may be of interest for search:

Saws specially adapted for pruning or debranching	A01G 3/08
Sawing apparatus specially adapted for felling trees	A01G 23/091

Meat or bone saws	A22B 5/20
Surgical saws	A61B 17/14
Saws for dentistry	A61C 3/12
Grinders for cutting-off	B24B 27/06
Auxiliary devices facilitating proper operation of wood saws	B27G 19/00

Glossary of terms

In this subclass/group, the following terms (or expressions) are used with the meaning indicated:

Feeding work	moving a workpiece into engagement with a saw blade while sawing
Conveying or transporting work	moving a workpiece before, after or between sawing operations
Discharging work	moving a workpiece away from a saw blade after sawing

B27B 1/00

Methods for subdividing trunks or logs essentially involving sawing (features of machines used, see the relevant groups for the machines))

References relevant to classification in this group

This subclass/group does not cover:

Saw benches with non-feedable circular saw blades for cross-cutting laterally fed workpieces	B27B 5/228
Cross-cutting reciprocating saws with power drive	B27B 11/00

B27B 3/00

Gang saw mills; Other sawing machines with reciprocating saw blades, specially designed for length sawing of trunks

Definition statement

This subclass/group covers:

Gang saw mills; Other sawing machines with reciprocating saw blades, specially designed for length sawing of trunks

B27B 5/00

Sawing machines working with circular [N: or cylindrical] saw blades (for length sawing of trunks B27B7/00); Components or equipment therefor

References relevant to classification in this group

This subclass/group does not cover:

Sawing machines working with circular saw blades for length sawing of trunks	B27B 7/00
Machines for cutting through a work-piece with a tool having a rotational vector which is parallel to the surfaces generated by cutting	B27C 1/007
Circular saws combined with band or strap sawing machines specially designed for length cutting of trunks	B27B 15/06
Arrangements for adjusting the mutual distances of circular saw machines for lengthwise sawing of trunks	B27B 7/04
Slotting or mortising machines	B27F 5/02

B27B 7/00

Sawing machines working with circular saw blades, specially designed for length sawing of trunks

References relevant to classification in this group

This subclass/group does not cover:

Equipment for adjusting the mutual distance of circular wood saws in general	B27B 5/34
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B27B 9/00

Portable power-driven circular saws for manual operation (details or components, e.g. handles, casings, of portable power-driven tools not particularly related to the operation performed B25F5/00))

References relevant to classification in this group

This subclass/group does not cover:

Details or components, e.g. casings, bodies, of portable power-driven saws not particularly related to the operation performed	B25F 5/00
Circular sawing machines for dividing plates in parts of determined size, e.g. panels	B27B 5/06

B27B 11/00

Cross-cut reciprocating saws with power drive; Appurtenances therefor

Definition statement

This subclass/group covers:

Saws with straight reciprocating saw blades.

B27B 13/00

Band or strap sawing machines (for length cutting of trunks B27B15/00); Components or equipment therefor

References relevant to classification in this group

This subclass/group does not cover:

Band or strap sawing machines specially designed for length cutting of trunks	B27B 15/00
Devices for tensioning strap saw blades in general	B23D 55/10
Devices for guiding strap saw blades in general	B23D 55/08

B27B 15/00

Band or strap sawing machines specially designed for length cutting of trunks

Definition statement

This subclass/group covers:

Band or strap sawing machines specially designed for length cutting of trunks

B27B 17/00

Chain saws; Equipment therefor [N: (slotting or mortising machines equipped with chain cutters B27F5/06)]

References relevant to classification in this group

This subclass/group does not cover:

Slotting or mortising machines equipped with chain cutters	B27F 5/06
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B27B 19/00

Other reciprocating saws with power drive; Fret-saws

Definition statement

This subclass/group covers:

Saws with oscillating saw blades	B27B 19/006
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B27B 21/00

Hand saws without power drive ([N: hand saws with oscillating saw blades,] B27B19/14 takes precedence); Equipment for hand sawing, e.g. saw horses [N: (work benches, horses in general B25H1/00; saw guides B27B11/02)]

References relevant to classification in this group

This subclass/group does not cover:

Fret saws with hand drive	B27B 19/14
Work benches, horses in general	B25H 1/00
Saws benches or saw bucks for chain saws	B27B 17/0041
Saw guides	B27B 11/02

B27B 23/00

Other cutting of wood by non-rotary toothed tools; Tools therefor (cutting with hot wire B27M1/06)

References relevant to classification in this group

This subclass/group does not cover:

Cutting with hot wire	B27M 1/06
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B27B 25/00

Feeding devices for timber in saw mills or sawing machines; Feeding devices for trees ([N: B27B29/00], B27B31/00 take precedence)

References relevant to classification in this group

This subclass/group does not cover:

Gripping, clamping, or holding devices for the trunk or log in saw mills or sawing machines; travelling	B27B 29/00
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trunk or log carriages	
Arrangements for conveying, loading, turning, adjusting, or discharging the log or timber, specially designed for saw mills or sawing machines	B27B 31/00

B27B 27/00

Guide fences or stops for timber in saw mills or sawing machines; Measuring equipment thereon (safety guards or devices specially designed for wood saws B27G19/00; constructional features of measuring devices G01B)

References relevant to classification in this group

This subclass/group does not cover:

Safety guards or devices specially designed for wood saws	B27G 19/00
Constructional features of measuring devices	G01B
Devices for mitring wood	B27G 5/00

B27B 29/00

Gripping, clamping, or holding devices for the trunk or log in saw mills or sawing machines (for other timber, see the relevant groups for the machines; safety guards or devices specially designed for wood saws B27G19/00); Travelling trunk or log carriages [N: (for logs being held in a cantilever manner B27B17/0075)]

References relevant to classification in this group

This subclass/group does not cover:

Gripping, clamping, or holding devices, travelling carriages for other timber	B23D 47/00 , B23D 51/00 , B23D 55/00 , B23D 57/00
Safety guards or devices specially designed for wood saws	B27G 19/00

Travelling trunk or log carriages for logs being held in a cantilever manner	B27B 17/0075
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B27B 31/00

Arrangements for conveying, loading, turning, adjusting, or discharging the log or timber, specially designed for saw mills or sawing machines (B27B29/00 takes precedence; [N: arrangements for raising or lowering the feed rollers of gang saw mills B27B3/14; driving mechanisms for the feed rollers of gang saw mills B27B3/16])

References relevant to classification in this group

This subclass/group does not cover:

Gripping, clamping, or holding devices for the trunk or log in saw mills or sawing machines; travelling trunk or log carriages	B27B 29/00
Arrangements for raising or lowering the feed rollers of gang saw mills	B27B 3/14
Driving mechanisms for the feed rollers of gang saw mills	B27B 3/16
Article or material handling devices associated with conveyers	B65G 47/00

Informative references

Attention is drawn to the following places, which may be of interest for search:

Devices for determining the axis of a trunk	B27L 5/022
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B27B 33/00

Sawing tools for saw mills, sawing machines, or sawing devices

References relevant to classification in this group

This subclass/group does not cover:

Saw chains for slotting or mortising devices	B27F 5/08
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